**MISSION**

- Develop Artificial Intelligence in Modeling Context

**RESPONSIBILITIES**

Develop predictive model from data coming from sensor and simulation in order to increase capabilities of design, optimisation, multi-disciplinary modeling, ...

**Missions**

- Mathematical Formalisation
- Take in consideration the different levels of fidelity and accuracy
- Taking into account to the performance of algorithms (link with HPC)
- Demonstration on industrial test cases
- Develop statistical modeling
- Participate and develop academic networks

**PROFILE**

- Master Degree, Applied Mathematics, computer science
- Experience 3 Years.
- A network in academic world would be a must

**SKILLS**

- Good knowledge in Modeling, Simulation and Machine Learning
- Knowledge in numerical analysis
- Knowledge in optimization
- Good knowledge in programming language (C, C++, Fortran, python)
### JOB TITLE:
Scientist in Uncertainties

### REPORTING TO
Head of CRT/VPE

### LOCATION
Issy-Les-Moulineaux

### MISSION
- Develop Artificial intelligence in stochastic context

### RESPONSIBILITIES
Implementation of the techniques of dimension reduction, learning the probability law in high dimension, with efficiency in order to build predictive model in complex system modeling

*Missions*
- Propose original solutions based on academic state of the art
- Implementation of algorithms mainly in OpenTurns (C++) and in other python frameworks
- Monitoring of sub-contracting (academic as Lip6, .. and industrial)
- Participation on OpenTurns technical board
- Demonstrate methodology on real test cases
- Diffusion of these technics inside Airbus

### PROFILE
- Master Degree, Applied Mathematics, computer science
- Experience 3 Years.
- A network in academic world would be a must

### SKILLS
- Good knowledge in Probabilities and Numerical Analysis
- Good knowledge in programming language (C, C++, Fortran, python)
- Knowledge in High performance computing will be appreciated